

**MASTER TABLE**

June 2007

**ALL POTENTIAL TIER 1 RBSLs FOR SOIL (mg/kg)**

**Distance to water is from the sample depth to the water table.**

<b>Chemical</b>	<b>Leaching 0-10 feet</b>	<b>Leaching 10-20 feet</b>	<b>Leaching &gt;20 feet</b>	<b>Direct Contact Residential</b>	<b>Direct Contact Commercial</b>	<b>Direct Contact Excavation</b>	<b>Residential Beneficial Uses</b>	<b>Commercial Beneficial Uses</b>	<b>Excavation Beneficial Uses</b>	<b>Soil Saturation</b>
<b>For Gasoline and Light Hydrocarbons measured using the Massachusetts Method for Volatile Petroleum Hydrocarbons (VPH)</b>										
C5-C8 Aliphatics	255	865	1340	41	256	365	100	500	500	280
C9-C12 Aliphatics	5,770	19,500	30,100	92	457	775	100	500	500	64
C9-C10 Aromatics	136	459	710	122	2,881	1,171	100	500	500	550
MTBE	0.0784	0.164	0.252	257	2,301	2,055	--	--	--	6,050
Benzene	0.0379	0.101	0.156	2.67	7.2	278	--	--	--	820
Toluene	13.9	40.7	62.8	475	3,584	3,866	--	--	--	499
Ethylbenzene	13.3	40.1	62	237	1,172	1,925	--	--	--	227
Xylenes	217	679	1,050	30	122	243	--	--	--	276
Naphthalene	9.32	30.6	47.4	10	40	77	--	--	--	223
<b>Lead Scavengers</b>										
1,2-Dibromoethane (EDB)				0.05	0.1	5	--	--	--	
1,2-Dichloroethane (DCA)				1.21	3.2	130	--	--	--	
<b>For Diesel and Heavy Hydrocarbons measured using the Massachusetts Method for Extractable Petroleum Hydrocarbons (EPH)</b>										
C9-C18 Aliphatics	25,900	87,200	135,000	153	894	1,317	1,000	2,500	5,000	41
C19-C36 Aliphatics	Considered Immobile			15,276	239,654	130,077	2,500	5,000	5,000	0.46
C11-C22 Aromatics	380	1,280	1,980	458	8,991	4,181	1,000	2,500	5,000	170
Acenaphthene	249	840	1300	376	4,440	3,220	--	--	--	125
Anthracene	3,740	12,600	19,500	2,073	30,607	17,868	--	--	--	6.12
Benz(a)anthracene	13.6	45.7	70.6	0.67	3.9	51	--	--	--	20.2
Benzo(a)pyrene	3.67	12.4	19.1	0.067	0.39	5	--	--	--	9.42
Benzo(b)fluoranthene	46.6	157	243	0.67	3.9	51	--	--	--	11.1
Benzo(k)fluoranthene	466	1,570	2,430	6.7	39	509	--	--	--	5.9
Chrysene	1,510	5,080	7,850	67	387	5,091	--	--	--	3.82
Dibenzo(a,h)anthracene	6.78	22.8	35.3	0.067	0.39	5	--	--	--	26.7
Fluoranthene	484	1,630	2,520	287	4,706	2,478	--	--	--	60.7
Fluorene	643	2,170	3,350	269	3,721	2,317	--	--	--	91.7
Indeno(1,2,3-cd)pyrene	132	443	685	0.67	3.9	51	--	--	--	0.458
Naphthalene	9.32	30.6	47.4	10	40	77	--	--	--	223
Pyrene	4,280	14,400	22,300	215	3,529	1,858	--	--	--	55.1